

174969

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From: Seharaseyon, Jegatheesan
Sent: Friday, December 23, 2005 8:37 AM
To: STIC-Biotech/ChemLib
Subject: RE: 10/084706

Hi,
Can you please do an interference search only for SEQ ID NO: 2 of 10/084706.

Thanks in advance.

Seyon.

J.Seharaseyon
Art Unit 1647
Remsen 4C61
Mailbox 4C70
Phone: (571)-272-0892
Fax: (571)-273-0892

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Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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OM protein - protein search, using sw model

Run on: December 24, 2005, 04:01:34 ; Search time 49 Seconds
(without alignments)
280.085 Million cell updates/sec

Title: US-10-084-706-2
Perfect score: 874
Sequence: 1 MSYNLLGFLQSSNFQCKL.....RVEILNRYFINRLTGYLRN 166

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgm2_6/ptodata/1/iaa/5 COMB.pep.*
2: /cgm2_6/ptodata/1/iaa/6 COMB.pep.*
3: /cgm2_6/ptodata/1/iaa/H COMB.pep.*
4: /cgm2_6/ptodata/1/iaa/PCTUS COMB.pep.*
5: /cgm2_6/ptodata/1/iaa/RE COMB.pep.*
6: /cgm2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	874	100.0	166	2	US-09-397-992A-7
2	874	100.0	166	2	US-09-569-722A-1
3	874	100.0	166	2	US-09-648-569A-2
4	874	100.0	166	2	US-09-971-843-7
5	874	100.0	166	2	US-09-403-532E-1
6	874	100.0	166	2	US-09-462-941-5
7	874	100.0	166	2	US-10-035-397-1
8	874	100.0	166	6	5514567-4
9	874	100.0	183	2	US-09-832-659A-4
10	874	100.0	183	2	US-09-832-658A-2
11	874	100.0	187	2	US-09-206-903A-9
12	874	100.0	187	2	US-08-406-030A-30
13	874	100.0	187	2	US-09-202-123-9
14	874	100.0	187	2	US-09-206-935-7
15	874	100.0	187	2	US-09-206-936-7
16	874	100.0	187	2	US-09-487-792-4
17	874	100.0	187	2	US-09-908-594-4
18	874	100.0	187	2	US-09-919-622A-9
19	874	100.0	187	2	US-09-949-016-9681
20	874	100.0	187	2	US-09-788-552-1
21	874	100.0	187	6	5514567-1
22	874	100.0	399	2	US-09-832-659A-2
23	874	100.0	415	2	US-09-215-212-14
24	872	99.8	166	1	US-08-477-310A-1
25	869	99.4	166	1	US-08-213-448-1
26	869	98.4	166	2	US-08-912-768-1
27	869	99.4	166	2	US-09-569-722A-4

28	869	99.4	166	2	US-09-569-722A-18	Sequence 18, Appl
29	869	99.4	166	4	PCT-US95-03206-1	Sequence 1, Appl
30	869	99.4	187	2	US-08-912-768-3	Sequence 3, Appl
31	867	99.2	166	2	US-09-487-792-21	Sequence 21, Appl
32	867	99.2	166	2	US-09-908-594-21	Sequence 21, Appl
33	867	99.2	166	2	US-09-788-552-2	Sequence 2, Appl
34	866	99.1	187	1	US-08-026-758-22	Sequence 22, Appl
35	865	99.0	166	2	US-09-331-260-2	Sequence 22, Appl
36	865	99.0	418	2	US-09-832-659A-42	Sequence 42, Appl
37	865	99.0	423	2	US-09-832-659A-44	Sequence 44, Appl
38	864	98.9	166	2	US-09-569-722A-5	Sequence 5, Appl
39	864	98.9	166	2	US-10-035-397-2	Sequence 2, Appl
40	859	98.3	166	2	US-09-832-659A-60	Sequence 60, Appl
41	859	98.3	166	2	US-09-832-658A-25	Sequence 25, Appl
42	857	98.1	187	6	5326859-1	Patent No. 5326859
43	855	97.8	166	2	US-09-569-722A-13	Sequence 13, Appl
44	855	97.8	166	2	US-09-569-722A-19	Sequence 19, Appl
45	850	97.3	166	2	US-09-569-722A-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-09-397-992A-7
; Sequence 7, Application US/09397992A
; Patent No. 6329175
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell
; APPLICANT: Grant, Francis J.
; APPLICANT: Rixon, Mark W.
; APPLICANT: Kindsvogel, Wayne
; TITLE OF INVENTION: Interferon-epsilon
; FILE REFERENCE: 98-46
; CURRENT APPLICATION NUMBER: US/09/397,992A
; PRIORITY FILING DATE: 1999-09-16
; PRIOR APPLICATION NUMBER: 60/101,012
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/118,578
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: 60/142,766
; PRIOR FILING DATE: 1999-07-08
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-397-992A-7

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Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 HKRYYGRILHYLKAKYSHCAWTVRVEILNRYFINRLTGYLRN 166
DB 121 HKRYYGRILHYLKAKYSHCAWTVRVEILNRYFINRLTGYLRN 166

RESULT 2
US-09-569-722A-1
; Sequence 1, Application US/09569722A
; Patent No. 6514729
; GENERAL INFORMATION:
; APPLICANT: Bentzien, Joerg M

; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND PROTEINS WITH INTERFERON-BETA ACTIVITY
; FILE REFERENCE: A-68059-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/569,722A
; CURRENT FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 60/133,785
; PRIOR FILING DATE: 1999-05-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-569-722A-1

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Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQQFKEDAAITY 60
Qy 61 EMLQNIFAIFQDSSSTGWNTEIVENLLANYHQNHLKTVLEBKLEKEDPTRCKLMSSL 120
Db 61 EMLQNIFAIFQDSSSTGWNTEIVENLLANYHQNHLKTVLEBKLEKEDPTRCKLMSSL 120
Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNR 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNR 166

RESULT 3

US-09-648-569A-2
; Sequence 2, Application US/09648569A
; Patent No. 6531122
; GENERAL INFORMATION:
; APPLICANT: Pedersen, A.H., et al.
; APPLICANT: Maxygen Aps
; TITLE OF INVENTION: Interferon-Beta Variants and Conjugates
; FILE REFERENCE: 0202us810
; CURRENT APPLICATION NUMBER: US/09/648,569A
; CURRENT FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-648-569A-2

Query Match 100.0%; Score 874; DB 2; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNR 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNR 166

RESULT 4

US-09-971-843-7
; Sequence 7, Application US/09971843
; Patent No. 6544505
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.

; APPLICANT: Grant, Francis J.
; APPLICANT: Rixon, Mark W.
; APPLICANT: Kindsvogel, Wayne
; TITLE OF INVENTION: Interferon-epsilon
; FILE REFERENCE: 98-46D1
; CURRENT APPLICATION NUMBER: US/09/971,843
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: 60/101,012
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/118,578
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: 60/142,766
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 09/397,992
; PRIOR FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-971-843-7

Query Match 100.0%; Score 874; DB 2; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 61 EMLQNIFAIFQDSSSTGWNTEIVENLLANYHQNHLKTVLEBKLEKEDPTRCKLMSSL 120
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Db 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNR 166

RESULT 5

US-09-403-532B-1
; Sequence 1, Application US/09403532B
; Patent No. 6572853
; GENERAL INFORMATION:
; APPLICANT: Fraunhofer-Gesellschaft zur Foerderung Angewan
; APPLICANT: Otto, Bernd
; APPLICANT: Waschutza, Gero
; TITLE OF INVENTION: HUMAN RECOMBINANT BETA-INTERFERON WITH IMPROVED SOLUBILITY
; FILE REFERENCE: 127-65050
; CURRENT APPLICATION NUMBER: US/09/403,532B
; CURRENT FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/EP/98/02238
; PRIOR FILING DATE: 1998-04-16
; PRIOR APPLICATION NUMBER: DE 19717864.2
; PRIOR FILING DATE: 1997-04-23
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-403-532B-1

Query Match 100.0%; Score 874; DB 2; Length 166;
Best Local Similarity 100.0%; Pred. No. 9.6e-85;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKEDPTRGKLMSSL 120
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DB 121 HLKRYGRILHYLKAKYSHCAWTIVRVEILNRYFINRLTGILRN 166

RESULT 6

US-09-462-941-5
; Sequence 5, Application US/09462941
; Patent No. 608183
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N
; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins
; FILE REFERENCE: 4152-1-PUS
; CURRENT APPLICATION NUMBER: US/09/462,941
; PRIORITY FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 60/052,516
; PRIOR FILING DATE: 1997-07-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 5
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-462-941-5

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Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKEDPTRGKLMSSL 120
QY 121 HLKRYGRILHYLKAKYSHCAWTIVRVEILNRYFINRLTGILRN 166
DB 121 HLKRYGRILHYLKAKYSHCAWTIVRVEILNRYFINRLTGILRN 166

RESULT 7

US-10-035-397-1
; Sequence 1, Application US/10035397
; Patent No. 6887462
; GENERAL INFORMATION:
; APPLICANT: Shirley, Bret A.
; APPLICANT: Babuka, Susan
; APPLICANT: Chen, Bao-Lu
; APPLICANT: Hora, Maninder
; APPLICANT: Choe, Minna
; APPLICANT: Tellers, Melanie
; TITLE OF INVENTION: HSA-Free Formulations of Interferon-Beta
; FILE REFERENCE: PPI7201.003
; CURRENT APPLICATION NUMBER: US/10/035,397
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 60/330,404
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: 60/282,614
; PRIOR FILING DATE: 2001-04-09
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-035-397-1

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Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKEDPTRGKLMSSL 120
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DB 121 HLKRYGRILHYLKAKYSHCAWTIVRVEILNRYFINRLTGILRN 166

RESULT 8

5514567-4
; Patent No. 5514567
; APPLICANT: SUGANO, HARUO; MURAMATSU, MASAMI; TANIGUCHI,
; TADATSUGU
; TITLE OF INVENTION: DNA AND RECOMBINANT PLASMID
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/400,179
; FILING DATE: 06-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 389,922
; FILING DATE: 18-JUN-1982
; APPLICATION NUMBER: 201,359
; FILING DATE: 27-OCT-1980
; SEQ ID NO: 4
; LENGTH: 166
5514567-4

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DB 61 EMLQNIFAIFRODSSSTGNETIVENLLANYVHQINHLKTVLEEKEDPTRGKLMSSL 120
QY 121 HLKRYGRILHYLKAKYSHCAWTIVRVEILNRYFINRLTGILRN 166
DB 121 HLKRYGRILHYLKAKYSHCAWTIVRVEILNRYFINRLTGILRN 166

RESULT 9

US-09-832-659A-4
; Sequence 4, Application US/09832659A
; Patent No. 6800735
; GENERAL INFORMATION:
; APPLICANT: WHITTY, ADRIAN
; APPLICANT: RUNKEL, LAURA
; APPLICANT: BRICKELMAIER, MARGOT
; APPLICANT: HOCHMAN, PAULA
; TITLE OF INVENTION: INTERFERON-BETA FUSION PROTEINS AND USES
; FILE REFERENCE: BII-007.01
; CURRENT APPLICATION NUMBER: US/09/832,659A
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/24200
; PRIOR FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: 60/120,237
; PRIOR FILING DATE: 1999-02-16
; PRIOR APPLICATION NUMBER: 60/104,491
; PRIOR FILING DATE: 1998-10-16

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; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 183
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-832-659A-4

Query Match      100.0%; Score 874; DB 2; Length 183;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
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Db 18 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQFQKEDAAITY 77

Qy 61 EMLQNIFAIPQDSSSTGWNETHVENLLANVYHQLNKTVELEKLEKEDPTRCKLMSSL 120
Db 78 EMLQNIFAIPQDSSSTGWNETHVENLLANVYHQLNKTVELEKLEKEDPTRCKLMSSL 137

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
Db 138 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 183

RESULT 10
US-09-832-658A-2
; Sequence 2, Application US/09832658A
; Patent No. 6962978
; GENERAL INFORMATION:
; APPLICANT: Pepinsky, Blake
; APPLICANT: Runkel, Laura
; APPLICANT: Brickelmaier, Margot
; APPLICANT: Whitty, Adrian
; APPLICANT: Hochman, Paula
; TITLE OF INVENTION: Polymer Conjugates of Interferon Beta-la
; FILE REFERENCE: 00689-514/A065
; CURRENT APPLICATION NUMBER: US/09/832,658A
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: PCT/US99/24201
; PRIOR FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: 60/104,572
; PRIOR FILING DATE: 1998-10-16
; PRIOR APPLICATION NUMBER: 60/120,161
; PRIOR FILING DATE: 1999-02-16
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 183
; TYPE: PRT
; ORGANISM: murine
US-09-832-658A-2

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Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
Db 138 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 183

RESULT 11
US-09-206-903A-9

; Sequence 9, Application US/09206903A
; Patent No. 6200780
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul J.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERPERONS
; FILE REFERENCE: P1224-2R1
; CURRENT APPLICATION NUMBER: US/09/206,903A
; CURRENT FILING DATE: 1998-12-07
; PRIOR APPLICATION NUMBER: US 60/106,463
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 9
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-903A-9

Query Match      100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
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Db 22 MSYNLLGFLQSSNFQCKLLWQNGRLLEYCLKDRMNFDPPEIKQLQFQKEDAAITY 81

Qy 61 EMLQNIFAIPQDSSSTGWNETHVENLLANVYHQLNKTVELEKLEKEDPTRCKLMSSL 120
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Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
Db 142 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 187

RESULT 12
US-08-406-030A-30
; Sequence 30, Application US/08406030A
; Patent No. 6270989
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Heartlein, Michael W.
; APPLICANT: Hauge, Brian M.
; APPLICANT: Selden, Richard F.
; TITLE OF INVENTION: Protein Production and Delivery
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/406,030A
; FILING DATE: 17-MAR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/243,391
; FILING DATE: 13-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/985,586
; FILING DATE: 03-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/911,533
; FILING DATE: 10-JUL-1992
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,840
; FILING DATE: 05-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/789,188
; FILING DATE: 05-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11704
; FILING DATE: 02-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/09627
; FILING DATE: 05-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: TKT95-01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 187 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-406-030A-30

Query Match 100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAITY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAITY 81
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIHLVYLKAKYSHCAWTIVRVEILNFFINRLTGYLRN 166
DB 142 HLKRYGRIHLVYLKAKYSHCAWTIVRVEILNFFINRLTGYLRN 187

RESULT 13
US-09-202-122-9
; Sequence 9, Application US/09202122
; Patent No. 6299869
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: HUMAN INTERFERON-EPSILON: A TYPE I INTERFERON
; FILE REFERENCE: P1224R2 (filed)
; CURRENT APPLICATION NUMBER: US/09/202,122
; PRIOR FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: PCT/US98/25672
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 9
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-202-122-9

Query Match 100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAITY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAITY 81
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIHLVYLKAKYSHCAWTIVRVEILNFFINRLTGYLRN 166
DB 142 HLKRYGRIHLVYLKAKYSHCAWTIVRVEILNFFINRLTGYLRN 187

RESULT 14
US-09-206-935-7
; Sequence 7, Application US/09206935
; Patent No. 6299877
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERFERONS
; FILE REFERENCE: 11669.50US05
; CURRENT APPLICATION NUMBER: US/09/206,935
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: 60/084,045
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-7

Query Match 100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAITY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAITY 81
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIHLVYLKAKYSHCAWTIVRVEILNFFINRLTGYLRN 166
DB 142 HLKRYGRIHLVYLKAKYSHCAWTIVRVEILNFFINRLTGYLRN 187

RESULT 15
US-09-206-936-7
; Sequence 7, Application US/09206936A
; Patent No. 6300475
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: No. 6300475el Interferon
; FILE REFERENCE: P1224R1
; CURRENT APPLICATION NUMBER: US/09/206,936A
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: US 60/067,897
; EARLIER FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 7
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-936-7

Query Match 100.0%; Score 874; DB 2; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.1e-84;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAITY 60
DB 22 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKOLOQFOKEDAAITY 81
QY 61 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 82 EMLQNIPIAFRODSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
QY 121 HLKRYGRIHLVYLKAKYSHCAWTIVRVEILNFFINRLTGYLRN 166
DB 142 HLKRYGRIHLVYLKAKYSHCAWTIVRVEILNFFINRLTGYLRN 187
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Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAAITY 60
Db 22 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAAITY 81
Qy 61 EMLQNIFAIFRODSSSTGWNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
Db 82 EMLQNIFAIFRODSSSTGWNETIVENLLANYHQINHLKTVLEEKLEKEDFTRGKLMSSL 141
Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFFINRLTGILRN 166
Db 142 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFFINRLTGILRN 187

Search completed: December 24, 2005, 04:15:22
Job time : 50 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 24, 2005, 04:14:21 ; Search time 163 seconds
(without alignments)
425.519 Million cell updates/sec

Title: US-10-084-706-2
Perfect score: 874
Sequence: 1 MSYNLLGFLQSSNFQCKL.....RVEILNRYFINRLTGYLRN 166

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
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6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	874	100.0	166	3	US-09-971-843-7
2	874	100.0	166	3	US-09-732-436-16
3	874	100.0	166	4	US-10-246-932-1
4	874	100.0	166	4	US-10-186-962-1
5	874	100.0	166	4	US-10-400-377-5
6	874	100.0	166	4	US-10-400-708-5
7	874	100.0	166	4	US-10-084-706-2
8	874	100.0	166	4	US-10-298-148-5
9	874	100.0	166	4	US-10-325-720-2
10	874	100.0	166	4	US-10-351-189-2
11	874	100.0	166	4	US-10-609-296-2
12	874	100.0	166	4	US-10-448-667-1
13	874	100.0	166	4	US-10-743-068-2
14	874	100.0	166	4	US-10-658-834A-196
15	874	100.0	166	4	US-10-658-834A-197
16	874	100.0	166	4	US-10-743-295-3
17	874	100.0	166	4	US-10-676-705-15
18	874	100.0	166	4	US-10-773-939-5
19	874	100.0	166	4	US-10-677-093-15
20	874	100.0	166	4	US-10-774-149-5
21	874	100.0	166	4	US-10-773-654-5
22	874	100.0	166	5	US-10-866-540-5
23	874	100.0	166	5	US-10-856-219-5
24	874	100.0	166	5	US-10-886-414-1
25	874	100.0	166	5	US-10-471-894B-1
26	874	100.0	166	5	US-10-820-467-15
27	874	100.0	166	5	US-10-820-467-46

28	874	100.0	166	5	US-10-775-180-153	Sequence 153, App
29	874	100.0	166	5	US-10-775-180-154	Sequence 154, App
30	874	100.0	166	5	US-10-775-180-165	Sequence 165, App
31	874	100.0	166	5	US-10-775-180-167	Sequence 167, App
32	874	100.0	166	5	US-10-775-180-647	Sequence 647, App
33	874	100.0	166	5	US-10-775-180-648	Sequence 648, App
34	874	100.0	166	5	US-10-775-180-649	Sequence 649, App
35	874	100.0	166	5	US-10-685-288-5	Sequence 5, Appli
36	874	100.0	166	5	US-10-811-492-3	Sequence 3, Appli
37	874	100.0	166	5	US-10-866-580-5	Sequence 5, Appli
38	874	100.0	166	5	US-10-773-530-5	Sequence 5, Appli
39	874	100.0	166	5	US-10-775-204-463	Sequence 463, App
40	874	100.0	166	5	US-10-775-204-464	Sequence 464, App
41	874	100.0	166	5	US-10-775-204-527	Sequence 527, App
42	874	100.0	166	5	US-10-775-204-539	Sequence 539, App
43	874	100.0	166	5	US-10-775-204-1723	Sequence 1723, Ap
44	874	100.0	166	5	US-10-775-204-1724	Sequence 1724, Ap
45	874	100.0	166	5	US-10-775-204-1725	Sequence 1725, Ap

ALIGNMENTS

RESULT 1

US-09-971-843-7
; Sequence 7, Application US/09971843
; Publication No. US20030013162A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Grant, Francis J.
; APPLICANT: Rixon, Mark W.
; TITLE OF INVENTION: Interferon-epsilon
; FILE REFERENCE: 98-46D1
; CURRENT APPLICATION NUMBER: US/09/971,843
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: 60/101,012
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/118,578
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: 60/142,766
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: 09/397,992
; PRIOR FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-971-843-7

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Best Local Similarity 100.0%; Pred. No. 3e-75; Indels 0; Gaps 0;
Matches 166; Conservative 0; Mismatches 0;
QY 1 MSYNLLGFLQSSNFQCKLLWQLNGRLCYCLKDRMNFDPPEIKQLQOFKEDAAITY 60
DB 1 MSYNLLGFLQSSNFQCKLLWQLNGRLCYCLKDRMNFDPPEIKQLQOFKEDAAITY 60
QY 61 EMLQNIPIAFQDSSSTGNETTIVENLLANYHQINHLKTVLEKLEKEDPTRGKLMSSL 120
DB 61 EMLQNIPIAFQDSSSTGNETTIVENLLANYHQINHLKTVLEKLEKEDPTRGKLMSSL 120
QY 121 HKRYGYRILHYLKAKYSHCAWTVRVEILNRYFINRLTGYLRN 166
DB 121 HKRYGYRILHYLKAKYSHCAWTVRVEILNRYFINRLTGYLRN 166

RESULT 2
US-09-732-436-16
; Sequence 16, Application US/09732436
; Publication No. US20030064919A1

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; GENERAL INFORMATION:
; APPLICANT: Prayaga, Suhirdas K
; APPLICANT: Shimkets, Richard A
; TITLE OF INVENTION: Novel Polypeptides and Polynucleotides Encoding Same
; FILE REFERENCE: 15966-615
; CURRENT APPLICATION NUMBER: US/09/732,436
; CURRENT FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: 60/169,887
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: 60/170,230
; PRIOR FILING DATE: 1999-12-10
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-732-436-16

Query Match          100.0%; Score 874; DB 3; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60

Qy 61 EMLQNIFAIPQDSSSTGNNETIVENLLANYHQLNHLKTVLEKLEKEDFTRGKLMSL 120
Db 61 EMLQNIFAIPQDSSSTGNNETIVENLLANYHQLNHLKTVLEKLEKEDFTRGKLMSL 120

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166

RESULT 3
US-10-246-932-1
; Sequence 1, Application US/10246932
; Publication No. US20030082138A1
; GENERAL INFORMATION:
; APPLICANT: Masuoka, Lorraine
; TITLE OF INVENTION: Methods for Treating Multiple Sclerosis
; FILE REFERENCE: PPI8399.002
; CURRENT APPLICATION NUMBER: US/10/246,932
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/322,933
; PRIOR FILING DATE: 2001-09-18
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-246-932-1

Query Match          100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60

Qy 61 EMLQNIFAIPQDSSSTGNNETIVENLLANYHQLNHLKTVLEKLEKEDFTRGKLMSL 120
Db 61 EMLQNIFAIPQDSSSTGNNETIVENLLANYHQLNHLKTVLEKLEKEDFTRGKLMSL 120

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
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RESULT 4
US-10-186-962-1
; Sequence 1, Application US/10186962
; Publication No. US20030138403A1
; GENERAL INFORMATION:
; APPLICANT: DRUSTRUP, Joern
; APPLICANT: Maxygen Aps
; TITLE OF INVENTION: Interferon Formulations
; FILE REFERENCE: 023208410
; CURRENT APPLICATION NUMBER: US/10/186,962
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/302,140
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 60/316,170
; PRIOR FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: 60/357,945
; PRIOR FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-186-962-1

Query Match          100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60

Qy 61 EMLQNIFAIPQDSSSTGNNETIVENLLANYHQLNHLKTVLEKLEKEDFTRGKLMSL 120
Db 61 EMLQNIFAIPQDSSSTGNNETIVENLLANYHQLNHLKTVLEKLEKEDFTRGKLMSL 120

Qy 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166
Db 121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLNRN 166

RESULT 5
US-10-400-377-5
; Sequence 5, Application US/10400377
; Publication No. US20030162949A1
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N
; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins
; FILE REFERENCE: 4152-1-PUS
; CURRENT APPLICATION NUMBER: US/10/400,377
; CURRENT FILING DATE: 2003-03-26
; PRIOR APPLICATION NUMBER: US/09/462,941
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 60/052,516
; PRIOR FILING DATE: 1997-07-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-400-377-5

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Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLEYCLKDRMNFDPPEIKQLQFQKEDAALTYI 60
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15

Query Match	100.0%	Score 874,	DB 4,	Length 166;
Best Local Similarity	100.0%;	Pred. No. 3e-75;		
Matches 166; Conservative	0;	Mismatches	0;	Indels
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Qy	61	EMLQNIFAIPRODSSTGWNTEIVENLLANVYHQINHLKTVLBEKLEKEDP		
Db	61	EMLQNIFAIPRODSSTGWNTEIVENLLANVYHQINHLKTVLBEKLEKEDP		
Qy	121	HLKRYTGRILHYLKAKEYSHCAWTIVRVEILRNFPYNRLTGYLRN	166	
Db	121	HLKRYTGRILHYLKAKEYSHCAWTIVRVEILRNFPYNRLTGYLRN	166	

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RESULT 7
US-10-084-706-2
// Sequence 2. Application US/10084706
// Publication No. US20030170206A1
// GENERAL INFORMATION:
// APPLICANT: RASMUSSEN, Poul Baad
// APPLICANT: DRUSTRUP, Jørn
// APPLICANT: RASMUSSEN, Grethe
// APPLICANT: PEDERSEN, Anders Hjelholt
// APPLICANT: SCHAMBYE, Hans Thalgård
// APPLICANT: ANDERSEN, Kim Vilbør
// APPLICANT: BORN, Claus
// APPLICANT: Maxygen Aps
// APPLICANT: Maxygen Holdings Ltd.
// TITLE OF INVENTION: NEW INTERFERON BETA-LIKE MOLECULES
// FILE REFERENCE: 0228us410
// CURRENT APPLICATION NUMBER: US/10/084,706
// CURRENT FILING DATE: 2002-02-26
// PRIOR APPLICATION NUMBER: US 60/272,116
// PRIOR FILING DATE: 2001-02-27
// PRIOR APPLICATION NUMBER: US 60/343,436
// PRIOR FILING DATE: 2001-12-21
// PRIOR APPLICATION NUMBER: US 60/302,140

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	Query Match	100.0%;	Score 874;	DB 4;	Length 166;
	Best Local Similarity	100.0%;	Pred. No. 3e-75;		
	Matches 166;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
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Db	1	MSYNLGPTLQRSSNFQCKLLWQINGRLEYCLDRMNFDP	PEETKQLQOQFOKEDAA	TIY	60
Qy	61	EMLQNIPTALPRODSSSTGWNNTIVENLLANNVYHQI	NHLKTVLBEKLEKEDFT	TRGKLMSSL	120
Db	61	EMLQNIPTALPRODSSSTGWNNTIVENLLANNVYHQI	NHLKTVLBEKLEKEDFT	TRGKLMSSL	120
Qy	121	HLKRYTGRILHLKAEYSHCATWTVRVEILRNIFYFN	RLNTGYLRN		166
Db	121	HLKRYTGRILHLKAEYSHCATWTVRVEILRNIFYFN	RLNTGYLRN		166

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61	EMLQNI	FAI PRDSSSTGWNETIVENLLANYVHOINHLKTVLBEKEKEDPTRGKLMSSL	120
61	EMLQNI	FAI PRDSSSTGWNETIVENLLANYVHOINHLKTVLBEKEKEDPTRGKLMSSL	120
121	HLKRYG	RIHLKAKETSHCAWTVRVEILRNPFYFNRLTGYLRN	166
121	HLKRYG	RIHLKAKETSHCAWTVRVEILRNPFYFNRLTGYLRN	166

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RESULT 7
US-10-084-706-2
; Sequence 2. Application US/10084706
; Publication No. US20030170206A1
; GENERAL INFORMATION:
; APPLICANT: RASMUSSEN, Poul Baad
; APPLICANT: DRUSTRUP, Jorn
; APPLICANT: RASMUSSEN, Grethe
; APPLICANT: PEDERSEN, Anders Hjelholt
; APPLICANT: SCHAMBYZ, Hans Thalgard
; APPLICANT: ANDERSEN, Kim Vilbour
; APPLICANT: BORNES, Claus
; APPLICANT: Maxygen Aps
; APPLICANT: Maxygen Holdings Ltd.
; TITLE OF INVENTION: NEW INTERFERON BETA-LIKE MOLECULES
; FILE REFERENCE: 0228us410
; CURRENT APPLICATION NUMBER: US/10/084,706
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: US 60/272,116
; PRIOR FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 60/343,436
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: US 60/302,140

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```

RESULT 8
US-10-298-148-5
; Sequence 5, Application US/10298148
; Publication No. US20030171284A1
; GENERAL INFORMATION:
; APPLICANT: Cox III, George N
; APPLICANT: Bolder Biotechnology, Inc.
; TITLE OF INVENTION: Derivatives of Growth Hormone and Related Proteins
; FILE REFERENCE: 4152-1-PUS
; CURRENT APPLICATION NUMBER: US/10/298,148
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/09/462,941
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: 60/052,516
; PRIOR FILING DATE: 1997-07-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-298-148-5

Query Match          100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy	1	MSYNLGLFRSSNFCQCKLWQNGRLVCLDKRMNFDIPEEIKQIQOQPKEDAALTY	60
Db	1	MSYNLGLFRSSNFCQCKLWQNGRLVCLDKRMNFDIPEEIKQIQOQPKEDAALTY	60
Qy	61	EMLNQIPAFIQDSSSTGWNETIVENLLANYHOINHLKTVLEPKLEKDPFGKLMSSL	120
Db	61	EMLNQIPAFIQDSSSTGWNETIVENLLANYHOINHLKTVLEPKLEKDPFGKLMSSL	120

; Sequence 1, Application US/10448667
; Publication No. US20040022763A1
; GENERAL INFORMATION:
; APPLICANT: Fraunhofer-Gesellschaft zur Foerderung Angewan
; APPLICANT: Schneider-Presenius, Christian
; APPLICANT: Otto, Bernd
; APPLICANT: Waschutza, Gero
; TITLE OF INVENTION: HUMAN RECOMBINANT BETA-INTERFERON WITH IMPROVED SOLUBILITY
; FILE REFERENCE: 127-65050
; CURRENT APPLICATION NUMBER: US/10/448,667
; CURRENT FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: 09/403,532
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/EP/98/02238
; PRIOR FILING DATE: 1998-04-16
; PRIOR APPLICATION NUMBER: DE 19717864.2
; PRIOR FILING DATE: 1997-04-23
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-448-667-1

Query Match 100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSYNLLGFLQSSNFQCKLLWOLNGRLEYCLKDRMNFDPPEIKLOQFOKEDAALTYI 60
DB 1 MSYNLLGFLQSSNFQCKLLWOLNGRLEYCLKDRMNFDPPEIKLOQFOKEDAALTYI 60
QY 61 EMLQNIPIAFRDSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 61 EMLQNIPIAFRDSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HKRYYGRILHYLKAKKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
DB 121 HKRYYGRILHYLKAKKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166

RESULT 13
US-10-743-068-2
; Sequence 2, Application US/10743068
; Publication No. US20040126361A1
; GENERAL INFORMATION:
; APPLICANT: Saifer, Mark G.P.
; APPLICANT: Martinez, Alexa L.
; APPLICANT: Williams, L. David
; APPLICANT: Sherman, Merry R.
; TITLE OF INVENTION: POLYMER CONJUGATES OF INTERFERON-BETA WITH ENHANCED BIOLOGICAL PO
; CURRENT APPLICATION NUMBER: US/10/743,068
; CURRENT FILING DATE: 2003-12-23
; PRIOR APPLICATION NUMBER: 60/479,914
; PRIOR FILING DATE: 2003-06-20
; PRIOR APPLICATION NUMBER: 60/479,913
; PRIOR FILING DATE: 2003-06-20
; PRIOR APPLICATION NUMBER: 60/436,020
; PRIOR FILING DATE: 2002-12-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-743-068-2

Query Match 100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSYNLLGFLQSSNFQCKLLWOLNGRLEYCLKDRMNFDPPEIKLOQFOKEDAALTYI 60
DB 1 MSYNLLGFLQSSNFQCKLLWOLNGRLEYCLKDRMNFDPPEIKLOQFOKEDAALTYI 60
QY 61 EMLQNIPIAFRDSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 61 EMLQNIPIAFRDSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HKRYYGRILHYLKAKKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
DB 121 HKRYYGRILHYLKAKKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166

RESULT 14
US-10-658-834A-196
; Sequence 196, Application US/10658834A
; Publication No. US20040132977A1
; GENERAL INFORMATION:
; APPLICANT: Gantier, Rene
; APPLICANT: Guyon, Thierry
; APPLICANT: Drittanti, Lila
; APPLICANT: Vega, Manuel
; TITLE OF INVENTION: Rational Evolution of Cytokines for Higher Stability, Encoding Nu
; TITLE OF INVENTION: Acid
; TITLE OF INVENTION: Molecules and Related Applications
; FILE REFERENCE: 38751-922
; CURRENT APPLICATION NUMBER: US/10/658,834A
; CURRENT FILING DATE: 2003-09-08
; PRIOR APPLICATION NUMBER: 60/457,135
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/409,898
; PRIOR FILING DATE: 2002-09-09
; NUMBER OF SEQ ID NOS: 1306
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 196
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: Genbank AAC41702
; DATABASE ENTRY DATE: 1995-01-01
US-10-658-834A-196

Query Match 100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSYNLLGFLQSSNFQCKLLWOLNGRLEYCLKDRMNFDPPEIKLOQFOKEDAALTYI 60
DB 1 MSYNLLGFLQSSNFQCKLLWOLNGRLEYCLKDRMNFDPPEIKLOQFOKEDAALTYI 60
QY 61 EMLQNIPIAFRDSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
DB 61 EMLQNIPIAFRDSSSTGNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSL 120
QY 121 HKRYYGRILHYLKAKKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166
DB 121 HKRYYGRILHYLKAKKEYSHCAWTIVRVEILRNFFYNRLTGYLRN 166

RESULT 15
US-10-658-834A-197
; Sequence 197, Application US/10658834A
; Publication No. US20040132977A1
; GENERAL INFORMATION:
; APPLICANT: Gantier, Rene
; APPLICANT: Guyon, Thierry
; APPLICANT: Drittanti, Lila
; APPLICANT: Vega, Manuel
; TITLE OF INVENTION: Rational Evolution of Cytokines for Higher Stability, Encoding Nu
; TITLE OF INVENTION: Acid
; TITLE OF INVENTION: Molecules and Related Applications
; FILE REFERENCE: 38751-922

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; CURRENT APPLICATION NUMBER: US/10/658,834A
; CURRENT FILING DATE: 2003-09-08
; PRIOR APPLICATION NUMBER: 60/457,135
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: 60/409,898
; PRIOR FILING DATE: 2002-09-09
; NUMBER OF SEQ ID NOS: 1306
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 197
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: Genbank CAA23795
; DATABASE ENTRY DATE: 1993-09-12
US-10-658-834A-197

Query Match      100.0%; Score 874; DB 4; Length 166;
Best Local Similarity 100.0%; Pred. No. 3e-75;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MSYNLLGFLQSSNFQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOQKEDAAITY 60
Db      1 MSYNLLGFLQSSNFQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOQKEDAAITY 60

Qy      61 EMLQNI FAI PQDSSSTGWNETIVENLIANYVYHQINHLKTVLEBKLEKEDFTGKLMSSL 120
Db      61 EMLQNI FAI PQDSSSTGWNETIVENLIANYVYHQINHLKTVLEBKLEKEDFTGKLMSSL 120

Qy      121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRLN 166
Db      121 HLKRYGRIHLHYLKAKEYSHCAWTIVRVEILRNFFYNRLTGYLRLN 166
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Search completed: December 24, 2005, 04:28:08
Job time : 164 secs

November 2005

Published_Applications Nucleic Acid and Published_Applications Amino Acid database searches now generate two sets of results each. The Published_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published_Applications_New databases; older published applications make up the Published_Applications_Main databases.

Searches run against Nucleic Acid Published_Applications produce two sets of results, with the extensions **.rnpbm** (Published_Applications_NA_Main) and **.rnpbn** (Published_Applications_NA_New).

Searches run against Amino Acid Published_Applications produce two sets of results, with the extensions **.rapbm** (Published_Applications_AA_Main) and **.rapbn** (Published_Applications_AA_New).

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OM protein - protein search, using sw model

Run on: December 24, 2005, 04:14:31 ; Search time 13 Seconds
(without alignments)
91.080 Million cell updates/sec

Title: US-10-084-706-2
Perfect score: 874
Sequence: 1 MSYNLLGFLQSSNFQCKL.....RVEILNFYFINRLTGYLRN 166

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 54001 seqs, 7132810 residues

Total number of hits satisfying chosen parameters: 54001

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_New.*
1: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pap.*
2: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pap.*
3: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pap.*
4: /cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pap.*
5: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pap.*
6: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pap.*
7: /cgn2_6/prodata/2/pubpaa/US11_NEW_PUB.pap.*
8: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	874	100.0	166	7	US-11-147-492-1 Sequence 1, Appl
2	864	98.9	166	7	US-11-147-492-2 Sequence 2, Appl
3	342.5	39.2	182	7	US-11-147-492-34 Sequence 34, Appl
4	260.5	29.8	166	7	US-11-132-722-55 Sequence 55, Appl
5	260.5	29.8	189	7	US-11-147-492-26 Sequence 26, Appl
6	258	29.5	166	7	US-11-132-722-44 Sequence 44, Appl
7	256	29.3	166	7	US-11-132-722-8 Sequence 8, Appl
8	254.5	29.1	165	7	US-11-132-722-46 Sequence 46, Appl
9	254.5	29.1	188	7	US-11-147-492-8 Sequence 8, Appl
10	254.5	29.1	415	7	US-11-029-003-12 Sequence 12, Appl
11	254.5	29.1	423	7	US-11-029-003-10 Sequence 10, Appl
12	254.5	29.1	430	7	US-11-029-003-22 Sequence 22, Appl
13	254.5	29.1	669	7	US-11-053-100-39 Sequence 39, Appl
14	254	29.1	166	7	US-11-132-722-38 Sequence 38, Appl
15	254	29.1	189	7	US-11-147-492-24 Sequence 24, Appl
16	253.5	29.0	165	7	US-11-132-722-47 Sequence 47, Appl
17	253.5	29.0	166	7	US-11-132-722-48 Sequence 48, Appl
18	253.5	29.0	172	7	US-11-177-010-2 Sequence 2, Appl
19	253.5	29.0	172	7	US-11-177-010-4 Sequence 4, Appl
20	253.5	29.0	172	7	US-11-112-369-1 Sequence 1, Appl
21	253.5	29.0	172	7	US-11-112-369-2 Sequence 2, Appl
22	252	28.8	166	7	US-11-132-722-39 Sequence 39, Appl
23	252	28.8	167	7	US-11-132-722-58 Sequence 58, Appl
24	251.5	28.8	166	7	US-11-132-722-49 Sequence 49, Appl
25	251.5	28.8	166	7	US-11-132-722-51 Sequence 51, Appl

26	251.5	28.8	189	7	US-11-147-492-12	Sequence 12, Appl
27	251.5	28.8	189	7	US-11-147-492-16	Sequence 16, Appl
28	251	28.7	166	7	US-11-132-722-1	Sequence 1, Appl
29	251	28.7	166	7	US-11-132-722-9	Sequence 9, Appl
30	251	28.7	166	7	US-11-132-722-36	Sequence 36, Appl
31	251	28.7	166	7	US-11-132-722-41	Sequence 41, Appl
32	251	28.7	166	7	US-11-132-722-43	Sequence 43, Appl
33	251	28.7	166	7	US-11-132-722-54	Sequence 54, Appl
34	250	28.6	166	7	US-11-132-722-5	Sequence 5, Appl
35	250	28.6	166	7	US-11-132-722-16	Sequence 16, Appl
36	249.5	28.5	189	7	US-11-147-492-10	Sequence 10, Appl
37	249	28.5	166	7	US-11-132-722-17	Sequence 17, Appl
38	249	28.5	166	7	US-11-132-722-28	Sequence 28, Appl
39	249	28.5	166	7	US-11-132-722-32	Sequence 32, Appl
40	249	28.5	166	7	US-11-132-722-37	Sequence 37, Appl
41	248.5	28.4	166	7	US-11-132-722-56	Sequence 56, Appl
42	248.5	28.4	189	7	US-11-147-492-28	Sequence 28, Appl
43	248	28.4	166	7	US-11-132-722-2	Sequence 2, Appl
44	248	28.4	166	7	US-11-132-722-33	Sequence 33, Appl
45	248	28.4	166	7	US-11-132-722-40	Sequence 40, Appl

ALIGNMENTS

RESULT 1

US-11-147-492-1
; Sequence 1, Application US/11147492
; Publication No. US20050276785A1
; GENERAL INFORMATION:
; APPLICANT: Kapp, Joachim-Freidrich
; APPLICANT: Kuehl, Uwe
; APPLICANT: Groetzbach, Georg
; APPLICANT: Schultheiss, Heinz-Peter
; APPLICANT: Sowade, Olaf
; APPLICANT: Stuerzebecher, Claus-Steffen
; TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
; FILE REFERENCE: 53223
; CURRENT APPLICATION NUMBER: US/11/147,492
; CURRENT FILING DATE: 2005-06-07
; PRIOR APPLICATION NUMBER: US 60/579,024
; PRIOR FILING DATE: 2004-06-04
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 1
; LENGTH: 166
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-147-492-1

Query Match 100.0%; Score 874; DB 7; Length 166;
Best Local Similarity 100.0%; Pred. No. 9e-77;
Matches 166; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSYNLLGFLQSSNFQCKLWQLNGRLEYCLKDRNFDIPEIKLOQFQKEDAALTY 60
Db 1 MSYNLLGFLQSSNFQCKLWQLNGRLEYCLKDRNFDIPEIKLOQFQKEDAALTY 60
QY 61 EMLQNIFAIFQDSSSTGNETIVENLLANVYHQINHLKTVLEKLEKEDFTRGKLMSSL 120
Db 61 EMLQNIFAIFQDSSSTGNETIVENLLANVYHQINHLKTVLEKLEKEDFTRGKLMSSL 120
QY 121 HLKRYGRIHLKAKYSHCAWTIVRVEILNFYFINRLTGYLRN 166
Db 121 HLKRYGRIHLKAKYSHCAWTIVRVEILNFYFINRLTGYLRN 166

RESULT 2

US-11-147-492-2
; Sequence 2, Application US/11147492
; Publication No. US20050276785A1
; GENERAL INFORMATION:
; APPLICANT: Kapp, Joachim-Freidrich

APPLICANT: Kuehl, Uwe
APPLICANT: Groetzbach, Georg
APPLICANT: Schultheiss, Heinz-Peter
APPLICANT: Sowade, Olaf
APPLICANT: Stuerzebecher, Claus-Steffen
TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
FILE REFERENCE: 53223
CURRENT APPLICATION NUMBER: US/11/147,492
CURRENT FILING DATE: 2005-06-07
PRIOR APPLICATION NUMBER: US 60/579,024
PRIOR FILING DATE: 2004-06-04
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patent in version 3.2
SEQ ID NO 2
LENGTH: 166
TYPE: PRT
ORGANISM: homo sapiens
US-11-147-492-2

Query Match 98.9%; Score 864; DB 7; Length 166;
Best Local Similarity 99.4%; Pred. No. 8e-76;
Matches 165; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOQFOKEDAAITY 60
Db 1 MSYNLLGFLQSSNFQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOQFOKEDAAITY 60
Qy 61 EMLQNIFAIFQDSSSTGNNETIVENLLANYVHOINHLKTVLEKLEKEDFTRGKLMSL 120
Db 61 EMLQNIFAIFQDSSSTGNNETIVENLLANYVHOINHLKTVLEKLEKEDFTRGKLMSL 120
Qy 121 HLKRYGRIHLHYKAKESHCAMTIVRVEILRNFFINRLTGYLRLN 166
Db 121 HLKRYGRIHLHYKAKESHCAMTIVRVEILRNFFINRLTGYLRLN 166

RESULT 3
US-11-147-492-34
Sequence 34, Application US/11/147492
Publication No. US20050276785A1
GENERAL INFORMATION:
APPLICANT: Kapp, Joachim-Freidrich
APPLICANT: Kuehl, Uwe
APPLICANT: Groetzbach, Georg
APPLICANT: Schultheiss, Heinz-Peter
APPLICANT: Sowade, Olaf
APPLICANT: Stuerzebecher, Claus-Steffen
TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
FILE REFERENCE: 53223
CURRENT APPLICATION NUMBER: US/11/147,492
CURRENT FILING DATE: 2005-06-07
PRIOR APPLICATION NUMBER: US 60/579,024
PRIOR FILING DATE: 2004-06-04
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patent in version 3.2
SEQ ID NO 34
LENGTH: 182
TYPE: PRT
ORGANISM: musculus musculus
US-11-147-492-34

Query Match 39.2%; Score 342.5; DB 7; Length 182;
Best Local Similarity 46.4%; Pred. No. 4.2e-26;
Matches 77; Conservative 27; Mismatches 57; Indels 5; Gaps 3;

Qy 1 MSYNLLGFLQSSNFQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOQFOKEDAAITY 60
Db 22 INYKQLQERTNIRKCCLELQNGKIN--LTTRADFKIPWEM--TEKMOKSYTAFAIQ 77
Qy 61 EMLQNIFAIFQDSSSTGNNETIVENLLANYVHOINHLKTVLEKLEKEDFTRGKLMSL 120
Db 78 EMLQNVLVFRNFSSTGNNETIVRLLDLDELHQQTFLKTVLEEK-QEERLUTWEMSSTAL 136

Qy 121 HLKRYGRIHLHYKAKESHCAMTIVRVEILRNFFINRLTGYLRLN 166
Db 137 HLKSYWRVQRYLKLKMYNSYAWWVRAEIRFRNFIIRRLTRNFON 182

RESULT 4
US-11-132-722-55
Sequence 55, Application US/11/132722
Publication No. US20050266465A1
GENERAL INFORMATION:
APPLICANT: Patten, Phillip A., et al.
TITLE OF INVENTION: INTERFERON-ALPHA POLYPEPTIDES AND CONJUGATES
FILE REFERENCE: 0280.310US
CURRENT APPLICATION NUMBER: US/11/132,722
CURRENT FILING DATE: 2005-05-18
PRIOR APPLICATION NUMBER: US 60/572,504
PRIOR FILING DATE: 2004-05-19
NUMBER OF SEQ ID NOS: 90
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 55
LENGTH: 166
TYPE: PRT
ORGANISM: homo sapiens
US-11-132-722-55

Query Match 29.8%; Score 260.5; DB 7; Length 166;
Best Local Similarity 37.2%; Pred. No. 2.4e-18;
Matches 55; Conservative 30; Mismatches 60; Indels 3; Gaps 2;

Qy 20 LLWQLNGRLBY--CLKDRMNFDPPEIKQLQOQFOKEDAAITYEMLQNIFAIFQDSSST 77
Db 17 LLAQM-GRISHFSCDKRDYDFGPQEVDFGNQFQKQAISAFHEMIQOTFNLFSTKSSA 75
Qy 78 GWNETIVENLLANYVHOINHLKTVLEKLEKEDFTRGKLMSLHLKRYGRIHLHYLAK 137
Db 76 AWDETLLDKFYIELFQQLNDLEACVTQEVGVGEETALMNEDSLAVRKYFORITILYLMGKK 135
Qy 138 YSHCAMTIVRVEILRNFFINRLTGYLRLN 165
Db 136 YSPCWEVVRAEIMRSPFSSTNLQKGLR 163

RESULT 5
US-11-147-492-26
Sequence 26, Application US/11/147492
Publication No. US20050276785A1
GENERAL INFORMATION:
APPLICANT: Kapp, Joachim-Freidrich
APPLICANT: Kuehl, Uwe
APPLICANT: Groetzbach, Georg
APPLICANT: Schultheiss, Heinz-Peter
APPLICANT: Sowade, Olaf
APPLICANT: Stuerzebecher, Claus-Steffen
TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
FILE REFERENCE: 53223
CURRENT APPLICATION NUMBER: US/11/147,492
CURRENT FILING DATE: 2005-06-07
PRIOR APPLICATION NUMBER: US 60/579,024
PRIOR FILING DATE: 2004-06-04
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patent in version 3.2
SEQ ID NO 26
LENGTH: 189
TYPE: PRT
ORGANISM: homo sapiens
US-11-147-492-26

Query Match 29.8%; Score 260.5; DB 7; Length 189;
Best Local Similarity 37.2%; Pred. No. 2.9e-18;
Matches 55; Conservative 30; Mismatches 60; Indels 3; Gaps 2;

Qy 20 LLWQLNGRLBY--CLKDRMNFDPPEIKQLQOQFOKEDAAITYEMLQNIFAIFQDSSST 77

Db 40 LLAQM-GRISHESCLKDRYDFGFPQEVFGNQFQAQALSAHEMIQOTFNLFSTKDSA 98
QY 78 GNNETVENLLANVYHQNHLKTVLEEKLEKEDFTGRKLMSSHLKRYGRILHYLKAKE 137
Db 99 AMDETLLDKFYELFQQLNDLEACVQEVGVEBEALMNNEDSILAVRKYFRITLYLMGK 158
QY 138 YSHCAWTVIRVEILNRYFINRLTGYLR 165
Db 159 YSPCAWEVVRAEIMRSFSFSTNLQKGLR 186

RESULT 6

US-11-132-722-44
; Sequence 44, Application US/11132722
; Publication No. US20050266465A1
; GENERAL INFORMATION:
; APPLICANT: Patten, Phillip A., et al.
; TITLE OF INVENTION: INTERFERON-ALPHA POLYPEPTIDES AND
; CONJUGATES
; FILE REFERENCE: 0280.310US
; CURRENT APPLICATION NUMBER: US/11/132,722
; CURRENT FILING DATE: 2005-05-18
; PRIOR APPLICATION NUMBER: US 60/572,504
; PRIOR FILING DATE: 2004-05-19
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct 25Sp129
US-11-132-722-44

Query Match 29.5%; Score 258; DB 7; Length 166;
Best Local Similarity 37.5%; Pred. No. 4.2e-18;
Matches 51; Conservative 29; Mismatches 56; Indels 0; Gaps 0;
QY 31 CLKDRMNFDPPEIKQLQOFQKEDAAITTYEMQLNIFAFIRDSSSTGNNETIVENLLAN 90
Db 29 CLKDRHDFGFPBEEFDGHQFQKQALSVLHLLIQTFFNLFSTKDSAAWDETLLEKFYIE 88
QY 91 VYHQNHLKTVLEEKLEKEDFTGRKLMSSHLKRYGRILHYLKAKEYSHCAWTVIRVEI 150
Db 89 LPQOMNLEACVQEVGVEBEALMNNVDSILAVRKYFRITLYLTKKYSPCAWEVVRAEI 148
QY 151 LBNFYFINRLTGYLRN 166
Db 149 MRSFSFSTNLQDSLRN 164

RESULT 7

US-11-132-722-8
; Sequence 8, Application US/11132722
; Publication No. US20050266465A1
; GENERAL INFORMATION:
; APPLICANT: Patten, Phillip A., et al.
; TITLE OF INVENTION: INTERFERON-ALPHA POLYPEPTIDES AND
; CONJUGATES
; FILE REFERENCE: 0280.310US
; CURRENT APPLICATION NUMBER: US/11/132,722
; CURRENT FILING DATE: 2005-05-18
; PRIOR APPLICATION NUMBER: US 60/572,504
; PRIOR FILING DATE: 2004-05-19
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct 14Sp113

US-11-132-722-8

Query Match 29.3%; Score 256; DB 7; Length 166;
Best Local Similarity 35.2%; Pred. No. 6.5e-18;
Matches 57; Conservative 28; Mismatches 63; Indels 14; Gaps 1;
QY 5 LLGFLQRSNFCQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOFQKEDAAITTYEMQL 64
Db 17 LLAQWRISLFS-----CLKDRHDFGFPQEVFGNQFQAQALSAHEMIQOTFNLFSTKDSA 62
QY 65 NIFAFIRDSSSTGNNETIVENLLANVYHQNHLKTVLEEKLEKEDFTGRKLMSSHLKLR 124
Db 63 QTFNLFSTKDSAAWDETLLEKFYELFQOMNLEACVQEVGVEBEALMNNVDSILAVR 122
QY 125 YGRILHYLKAKEYSHCAWTVIRVEILNRYFINRLTGYLRN 166
Db 123 YQIRITLYLTKKYSPCAWEVVRAEIMRSFSFSTNLQDSLRN 164

RESULT 8

US-11-132-722-46
; Sequence 46, Application US/11132722
; Publication No. US20050266465A1
; GENERAL INFORMATION:
; APPLICANT: Patten, Phillip A., et al.
; TITLE OF INVENTION: INTERFERON-ALPHA POLYPEPTIDES AND
; CONJUGATES
; FILE REFERENCE: 0280.310US
; CURRENT APPLICATION NUMBER: US/11/132,722
; CURRENT FILING DATE: 2005-05-18
; PRIOR APPLICATION NUMBER: US 60/572,504
; PRIOR FILING DATE: 2004-05-19
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 165
; TYPE: PRT
; ORGANISM: homo sapiens
US-11-132-722-46

Query Match 29.1%; Score 254.5; DB 7; Length 165;
Best Local Similarity 36.1%; Pred. No. 9e-18;
Matches 61; Conservative 26; Mismatches 53; Indels 29; Gaps 4;
QY 5 LLGFLQRSNFCQCKLLWQLNGRLLEYCLKDRMNFDPPEIKQLQOFQKEDAAITTYEMQL 64
Db 17 LLAQWRISLFS-----CLKDRHDFGFPQEVFGNQFQAQALSAHEMIQ 61
QY 65 NIFAFIRDSSSTGNNETIVENLLANVYHQNHLKTVLEEKLEKEDFTGRKLM 117
Db 62 QTFNLFSTKDSAAWDETLLEKFYELFQOMNLEACVQEVGVEBEALMNNVDSILAVR 114
QY 118 SSLHLKRYGRILHYLKAKEYSHCAWTVIRVEILNRYFINRLTGYLRN 166
Db 115 SILAVRKYFRITLYLTKKYSPCAWEVVRAEIMRSFSLSLNLQDSLRN 163

RESULT 9

US-11-147-492-8
; Sequence 8, Application US/11147492
; Publication No. US20050276785A1
; GENERAL INFORMATION:
; APPLICANT: Kapp, Joachim-Freidrich
; APPLICANT: Kuehl, Uwe
; APPLICANT: Groetzbach, Georg
; APPLICANT: Schultzeiss, Heinz-Peter
; APPLICANT: Sowade, Olaf
; APPLICANT: Stuerzebecher, Claus-Steffen
; TITLE OF INVENTION: Treatment of Cardiomyopathy and Endothelial Dysfunction
; FILE REFERENCE: 53223
; CURRENT APPLICATION NUMBER: US/11/147,492
; CURRENT FILING DATE: 2005-06-07
; PRIOR APPLICATION NUMBER: US 60/579,024

Qy 151 LRNFYFINRLTGYL 165
:|:| | | | |
Db 172 MRSFSTNLQKRL 186

Search completed: December 24, 2005, 04:28:26
Job time : 14 secs